

### **ABSTRACT**

The present invention concerns the use of an A<sub>3</sub> adenosine receptor agonist (A<sub>3</sub>AR agonist) for treatment of accelerated bone resorption, particularly, inflammation induced bone resorption. Specifically, there is provided by the present invention a method and pharmaceutical composition for treatment of said condition, the A<sub>3</sub>AR agonist being formulated as a pharmaceutical composition which is administered to a subject having accelerated bone resorption.

The invention also provides the use of A<sub>3</sub>AR agonist in the preparation of said pharmaceutical composition.